CIVIL QUALITY CONSULTANTS & ENGINEERS
ISO 9001:2015 Certified & NABL Accredited Laboratory as per ISO/IEC - 17025-2017

Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/NMK/16/2022-2023

Date: 09.03.2022

TEST REPORT ON CEMENT

Client : **Assistant Executive Engineer,** Yeshwantpura Sub Division, BBMP, Bangalore.
Agency : **Sri. N M Krishnamurthy,** Contractor, Bangalore.
Name of Work :Improvements of Siddhartha Nagara Slum in Ward No-16 in RR Nagar Constituency, BBMP, Bangalore
Sample ID: : Cement (Birla Super 53 grade OPC)
Sample Supplied by: : AGENCY
Date of Manufacture: : February-2022
Date of Testing 07.03.2022 to 09.03.2022

Sl.No	Descriptions	Test Method as per IS	Test Result	Requirements as per IS: 269:2015
1	a) Initial Setting Time	IS-4031 (Part - 5):1988(RA 2014)	140 Minutes	Not Less than 30 Minutes
	b) Final Setting Time	IS-4031 (Part - 5):1988(RA 2014)	355 Minutes	Not More than 600 Minutes
2	Soundness	IS-4031 (Part 3) :1988 (RA 2014) by the Le-Chatelier method	1 mm	Not more than 10 mm
3	Standard Consistency	IS-4031 (Part -4)	30.00%	-

Note:

1. The material is satisfied as per the requirements.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

Corporate Off.: No. 133, Bhuvaneshwarinagar, Doddabasti Main Road, Bangalore-56
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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/NMK/16/2022-2023

Date 09.03.2022

TEST REPORT ON FINE AGGREGATES (SAND)
IS 1542-1992

Client : **Assistant Executive Engineer,** Yeshwantpura Sub Division,BBMP, Bangalore.
Agency : **Sri. N M Krishnamurthy,** Contractor, Bangalore.
Name of Work :Improvements of Siddhartha Nagara Slum in Ward No-16 in RR Nagar Constituency, BBMP, Bangalore
Date of Testing 09.03.2022
Material : Sand(Plastering)

Total wt. of aggregates in gms = **1000**

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Spec.Limits as per IS 1542-1992
10	0	0	0	100	100
4.75	12	1.20	1.20	98.8	95-100
2.36	15	1.50	2.70	97.3	95-100
1.18	32	3.20	5.90	94.1	90-100
600 Micron	72	7.20	13.10	86.9	80-100
300 Micron	250	25.00	38.10	61.9	20-65
150 Micron	489	48.90	87.00	13.0	0-15

Note:

1. The material is satisfied as per the requirements.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/NMK/16/2022-2023

Date 09.03.2022

TEST REPORT ON FINE AGGREGATES (SAND)
IS 2116-1980

Client : **Assistant Executive Engineer,** Yeshwantpura Sub Division,BBMP, Bangalore.
Agency : **Sri. N M Krishnamurthy,** Contractor, Bangalore.
Name of Work :Improvements of Siddhartha Nagara Slum in Ward No-16 in RR Nagar Constituency, BBMP, Bangalore
Date of Testing 09.03.2022
Material : Sand(Masonry)

Total wt. of aggregates in gms = 1000

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Spec.Limits as per IS 2116-1980
4.75	0	0.00	0.00	100.0	100
2.36	18	1.80	1.80	98.2	90-100
1.18	32	3.20	5.00	95.0	70-100
600 Micron	75	7.50	12.50	87.5	40-100
300 Micron	260	26.00	38.50	61.5	5-70
150 Micron	480	48.00	86.50	13.5	0-15

Note:
1. The material is satisfied as per the requirements.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/NMK/16/2022-2023

Date 09.03.2022

TEST REPORT ON FINE AGGREGATES (SAND)

Client : **Assistant Executive Engineer,** Yeshwantpura Sub Division,BBMP, Bangalore.
Agency : **Sri. N M Krishnamurthy,** Contractor, Bangalore.
Name of Work :Improvements of Siddhartha Nagara Slum in Ward No-16 in RR Nagar Constituency, BBMP, Bangalore
Date of Testing 09.03.2022
IS Code : IS 383:2016
: IS 2386 (Part 1):1963(RA 2011)
Material : Sand

Total Wt. of Aggregates in gms **1000**

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Requirements as per IS 383:2016 Spec.Limits For Zone-II
10	0	0	0	100	100
4.75	70	7.00	7.00	93.0	90-100
2.36	118	11.80	18.80	81.2	75-100
1.18	180	18.00	36.80	63.2	55-90
600 Micron	229	22.90	59.70	40.3	35-59
300 Micron	165	16.50	76.20	23.8	8-30
150 Micron	167	16.70	92.90	7.1	0-10

Note:
1. The material is satisfied as per the requirements.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/NMK/16/2022-2023

Date 09.03.2022

TEST REPORT ON COARSE AGGREGATES

Client : **Assistant Executive Engineer,** Yeshwantpura Sub Division,BBMP, Bangalore.
Agency : **Sri. N M Krishnamurthy,** Contractor, Bangalore.
Name of Work :Improvements of Siddhartha Nagara Slum in Ward No-16 in RR Nagar Constituency, BBMP, Bangalore
Date of Testing 09.03.2022
IS Code : IS 383:2016
: IS 2386 (Part 1):1963(RA 2011)
Material : 40mm Aggregates

Total Wt. of Aggregates in gms 15000

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Requirements as per IS 383:2016
80	0	0	0	100	100
40	192	1.28	1.28	98.72	95-100
20	8356	55.71	56.99	43.01	30-70
10	3214	21.43	78.41	21.59	10-35
4.75	2697	17.98	96.39	3.61	0-5

Note:
1. The material is satisfied as per the requirements.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/NMK/16/2022-2023

Date 09.03.2022

TEST REPORT ON COARSE AGGREGATES

Client : **Assistant Executive Engineer,** Yeshwantpura Sub Division,BBMP, Bangalore.
Agency : **Sri. N M Krishnamurthy,** Contractor, Bangalore.
Name of Work :Improvements of Siddhartha Nagara Slum in Ward No-16 in RR Nagar Constituency, BBMP, Bangalore
Date of Testing 09.03.2022
IS Code : IS 383:2016
: IS 2386 (Part 1):1963(RA 2011)
Material : 20mm Aggregates

Total Wt. of Aggregates in gms= 5000

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Requirements as per IS 383:2016
40	0	0	0	100	100
20	178	3.6	3.6	96.4	95-100
10	2741	54.8	58.4	41.6	25-55
4.75	1633	32.7	91.0	9.0	0-10

Note:

1. The material is satisfied as per the requirements.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/NMK/16/2022-2023

Date 09.03.2022

TEST REPORT OF PHYSICAL PROPERTIES OF REINFORCEMENT STEEL

Client : **Assistant Executive Engineer,** Yeshwantpura Sub Division, BBMP, Bangalore.

Agency : **Sri. N M Krishnamurthy,** Contractor, Bangalore.

Name of Work :Improvements of Siddhartha Nagara Slum in Ward No-16 in RR Nagar Constituency, BBMP, Bangalore

Steel Dia/Length : 8mm,10mm,12mm" TMT"

Reference to BIS codes : IS 1786:2008(RA 2013) High Strength Deformed Steel Bars and Wires for Concrete Reinforcement-Specification

: IS 1608:2005 Metallic Materials- Tensile Testing at Ambient Temperature

Date of test 09.03.2022

S.No	Brand	Nominal size (dia in mm)	Mass per meter (kg/meter)	TENSILE STRENGTH			
				0.20 % proof stress/ yield stress (N/mm^2)	Tensile strength (N/mm^2)	TS/YS ratio	Elongation, percent on gauge length
1	TMT	8	0.395	502	615	1.23	15
2	TMT	10	0.617	516	638	1.24	16
3	TMT	12	0.888	532	642	1.21	18

Note:

1. The material is satisfied as per the requirements.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/NMK/16/2022-2023

Date: 22.03.2022

PRECAST SLAB 100mm Thick(CORE) TEST REPORT

Client	:	**: Assistant Executive Engineer,** Yeshwantpura Sub Division, BBMP, Bangalore.
Contractor	:	**: Sri. N M Krishnamurthy,** Contractor, Bangalore.
Name of Work	:	:Improvements of Siddhartha Nagara Slum in Ward No-16 in RR Nagar Constituency, BBMP, Bangalore
No.of Sample Tested	:	03
Date of Testing	:	22.03.2022
Techinical Reference	:	IS:516-1959 (Reaffirmed 1999), SP-24:1983.
Grade of Concrete	:	M_{25}

Sl. No.	Dia of Core D (mm)	Height of Core H (mm)	Core Wt (Kg)	Density of Core (kg / m^3)	H / D	Correction factor (Based on H/D)	Failure Load (kN)	Core Strength (N/mm^2)	Correction Factor for the Dia. (Strength of the Core x 1.08)	Corrected Cylinder Compressive Strength (N/mm^2)	Equivalent Cube Compressive Strength (N/mm^2)
1	50.00	81.00	0.368	2313.84	1.62	0.960	41.20	20.98	22.66	21.76	27.19
2	50.00	85.00	0.395	2366.73	1.70	0.960	42.30	21.54	23.27	22.34	27.92
3	50.00	89.00	0.416	2380.53	1.78	0.965	43.50	22.15	23.93	23.09	28.86

Note:

1., The material is satisfied as per the requirements.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

Corporate Off.: No. 133, Bhuvaneshwarinagar, Doddabasti Main Road, Bangalore-560 05
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CIVIL QUALITY CONSULTANTS & ENGINEERS

ISO 9001:2015 Certified & NABL Accredited Laboratory as per ISO/IEC - 17025-2017

Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/NMK/16/2022-2023

Date: 22.03.2022

PRECAST SLAB 250mm Thick(CORE) TEST REPORT

Client	:	**: Assistant Executive Engineer,** Yeshwantpura Sub Division, BBMP, Bangalore.
Contractor	:	**: Sri. N M Krishnamurthy,** Contractor, Bangalore.
Name of Work	:	:Improvements of Siddhartha Nagara Slum in Ward No-16 in RR Nagar Constituency, BBMP, Bangalore
No.of Sample Tested	:	03
Date of Testing	:	22.03.2022
Techinical Reference	:	IS:516-1959 (Reaffirmed 1999), SP-24:1983.
Grade of Concrete	:	M_{25}

Sl. No.	Dia of Core D (mm)	Height of Core H (mm)	Core Wt (Kg)	Density of Core (kg / m^3)	H / D	Correction factor (Based on H/D)	Failure Load (kN)	Core Strength (N/mm^2)	Correction Factor for the Dia. (Strength of the Core x 1.08)	Corrected Cylinder Compressive Strength (N/mm^2)	Equivalent Cube Compressive Strength (N/mm^2)
1	90.00	112.00	1.667	2339.61	1.24	0.960	130.20	20.47	22.10	21.22	26.52
2	90.00	115.00	1.730	2364.69	1.28	0.960	132.30	20.80	22.46	21.56	26.95
3	90.00	119.00	1.815	2397.48	1.32	0.965	133.80	21.03	22.71	21.92	27.40

Note:

1. The material is satisfied as per the requirements.

For.CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

Corporate Off.: No. 133, Bhuvaneshwarinagar, Doddabasti Main Road, Bangalore-560
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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/NMK/16/2022-2023

Date: 18.03.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	**: Assistant Executive Engineer,** Yeshwantpura Sub Division, BBMP, Bangalore.
Agency	**: Sri. N M Krishnamurthy,** Contractor, Bangalore.
Name of the work	:Improvements of Siddhartha Nagara Slum in Ward No-16 in RR Nagar Constituency, BBMP, Bangalore
Location	: Siddhartha Nagara Slum (# From Maramma Temple to Main Road Circle)
Sample ID	: Cement Concrete (Raft)
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{20}
Compressive Strength as on	: 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	11.03.2022	18.03.2022	8.001	342.5	15.22
2	11.03.2022	18.03.2022	8.137	350.6	15.58
3	11.03.2022	18.03.2022	8.187	363.8	16.17

Note:

1. The material is satisfied as per the requirements.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/NMK/16/2022-2023

Date: 08.04.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	**: Assistant Executive Engineer,** Yeshwantpura Sub Division, BBMP, Bangalore.
Agency	**: Sri. N M Krishnamurthy,** Contractor, Bangalore.
Name of the work	:Improvements of Siddhartha Nagara Slum in Ward No-16 in RR Nagar Constituency, BBMP, Bangalore
Location	: Siddhartha Nagara Slum (# From Maramma Temple to Main Road Circle)
Sample ID	: Cement Concrete (Raft)
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{20}
Compressive Strength as on	: 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	11.03.2022	08.04.2022	8.192	502.1	22.32
2	11.03.2022	08.04.2022	8.037	526.0	23.38
3	11.03.2022	08.04.2022	8.145	538.9	23.95

Note:

1. The material is satisfied as per the requirements.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR

Job No.: CQCE/BBMP/NMK/16/2022-2023

Date: 18.03.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Assistant Executive Engineer,** Yeshwantpura Sub Division, BBMP, Bangalore.

Agency : **Sri. N M Krishnamurthy,** Contractor, Bangalore.

Name of the work :Improvements of Siddhartha Nagara Slum in Ward No-16 in RR Nagar Constituency, BBMP, Bangalore

Location : Siddhartha Nagara Slum (# From Maramma Temple to Main Road Circle)

Sample ID : Cement Concrete (Raft)

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{20}

Compressive Strength as on : 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	11.03.2022	18.03.2022	8.167	335.4	14.91
2	11.03.2022	18.03.2022	8.024	345.6	15.36
3	11.03.2022	18.03.2022	8.187	358.9	15.95

Note:

1. The material is satisfied as per the requirements.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/NMK/16/2022-2023

Date: 08.04.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Assistant Executive Engineer,** Yeshwantpura Sub Division, BBMP, Bangalore.

Agency : **Sri. N M Krishnamurthy,** Contractor, Bangalore.

Name of the work :Improvements of Siddhartha Nagara Slum in Ward No-16 in RR Nagar Constituency, BBMP, Bangalore

Location : Siddhartha Nagara Slum (# From Maramma Temple to Main Road Circle)

Sample ID : Cement Concrete (Raft)

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{20}

Compressive Strength as on : 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	11.03.2022	08.04.2022	8.054	504.7	22.43
2	11.03.2022	08.04.2022	8.127	522.3	23.21
3	11.03.2022	08.04.2022	8.026	535.4	23.80

Note:
1. The material is satisfied as per the requirements.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

Corporate Off.: No. 133, Bhuvaneshwarinagar, Doddabasti Main Road, Bangalore-560 056.
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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/NMK/16/2022-2023

Date: 18.03.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Assistant Executive Engineer,** Yeshwantpura Sub Division, BBMP, Bangalore.

Agency : **Sri. N M Krishnamurthy,** Contractor, Bangalore.

Name of the work :Improvements of Siddhartha Nagara Slum in Ward No-16 in RR Nagar Constituency, BBMP, Bangalore

Location : Siddhartha Nagara Slum (# From Maramma Temple to Main Road Circle)

Sample ID : Cement Concrete (Raft)

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{20}

Compressive Strength as on : 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	11.03.2022	18.03.2022	8.113	347.8	15.46
2	11.03.2022	18.03.2022	8.127	356.9	15.86
3	11.03.2022	18.03.2022	8.062	363.2	16.14

Note:

1. The material is satisfied as per the requirements.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/NMK/16/2022-2023

Date: 08.04.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	**: Assistant Executive Engineer,** Yeshwantpura Sub Division, BBMP, Bangalore.
Agency	**: Sri. N M Krishnamurthy,** Contractor, Bangalore.
Name of the work	:Improvements of Siddhartha Nagara Slum in Ward No-16 in RR Nagar Constituency, BBMP, Bangalore
Location	: Siddhartha Nagara Slum (# From Maramma Temple to Main Road Circle)
Sample ID	: Cement Concrete (Raft)
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{20}
Compressive Strength as on	: 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	11.03.2022	08.04.2022	8.052	519.6	23.09
2	11.03.2022	08.04.2022	8.162	522.1	23.20
3	11.03.2022	08.04.2022	8.029	538.5	23.93

Note:

1. The material is satisfied as per the requirements

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

Corporate Off.: No. 133, Bhuvaneshwarinagar, Doddabasti Main Road, Bangalore-560 0
Contact: 8553518550, 080-23240644 Email: civilqualityconsultants@gmail.com

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CIVIL QUALITY CONSULTANTS & ENGINEERS
ISO 9001:2015 Certified & NABL Accredited Laboratory as per ISO/IEC - 17025-2017

Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/NMK/16/2022-2023

Date: 23.03.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Assistant Executive Engineer,** Yeshwantpura Sub Division, BBMP, Bangalore.

Agency : **Sri. N M Krishnamurthy,** Contractor, Bangalore.

Name of the work :Improvements of Siddhartha Nagara Slum in Ward No-16 in RR Nagar Constituency, BBMP, Bangalore

Location : Siddhartha Nagara Slum (# From Maramma Temple to Main Road Circle)

Sample ID : Cement Concrete (Wall)

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{20}

Compressive Strength as on : 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	16.03.2022	23.03.2022	8.021	346.5	15.40
2	16.03.2022	23.03.2022	8.037	351.2	15.61
3	16.03.2022	23.03.2022	8.092	369.8	16.44

Note:

1. The material is satisfied as per the requirements.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/NMK/16/2022-2023 Date: 13.04.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	**: Assistant Executive Engineer,** Yeshwantpura Sub Division, BBMP, Bangalore.
Agency	**: Sri. N M Krishnamurthy,** Contractor, Bangalore.
Name of the work	:Improvements of Siddhartha Nagara Slum in Ward No-16 in RR Nagar Constituency, BBMP, Bangalore
Location	: Siddhartha Nagara Slum (# From Maramma Temple to Main Road Circle)
Sample ID	: Cement Concrete (Wall)
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{20}
Compressive Strength as on	: 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	16.03.2022	13.04.2022	8.199	484.5	21.53
2	16.03.2022	13.04.2022	8.027	492.0	21.87
3	16.03.2022	13.04.2022	8.026	500.1	22.23

Note:
1. The material is satisfied as per the requirements.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/NMK/16/2022-2023

Date: 23.03.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Assistant Executive Engineer,** Yeshwantpura Sub Division, BBMP, Bangalore.

Agency : **Sri. N M Krishnamurthy,** Contractor, Bangalore.

Name of the work :Improvements of Siddhartha Nagara Slum in Ward No-16 in RR Nagar Constituency, BBMP, Bangalore

Location : Siddhartha Nagara Slum (# From Maramma Temple to Main Road Circle)

Sample ID : Cement Concrete (Wall)

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{20}

Compressive Strength as on : 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	16.03.2022	23.03.2022	8.071	344.4	15.31
2	16.03.2022	23.03.2022	8.026	352.3	15.66
3	16.03.2022	23.03.2022	8.009	363.4	16.15

Note:

1. The material is satisfied as per the requirements.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/NMK/16/2022-2023

Date: 13.04.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	**: Assistant Executive Engineer,** Yeshwantpura Sub Division, BBMP, Bangalore.
Agency	**: Sri. N M Krishnamurthy,** Contractor, Bangalore.
Name of the work	:Improvements of Siddhartha Nagara Slum in Ward No-16 in RR Nagar Constituency, BBMP, Bangalore
Location	: Siddhartha Nagara Slum (# From Maramma Temple to Main Road Circle)
Sample ID	: Cement Concrete (Wall)
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{20}
Compressive Strength as on	: 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	16.03.2022	13.04.2022	8.015	479.9	21.33
2	16.03.2022	13.04.2022	8.197	483.5	21.49
3	16.03.2022	13.04.2022	8.114	490.6	21.80

Note:

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/NMK/16/2022-2023 Date: 23.03.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Assistant Executive Engineer,** Yeshwantpura Sub Division, BBMP, Bangalore.

Agency : **Sri. N M Krishnamurthy,** Contractor, Bangalore.

Name of the work :Improvements of Siddhartha Nagara Slum in Ward No-16 in RR Nagar Constituency, BBMP, Bangalore

Location : Siddhartha Nagara Slum (# From Maramma Temple to Main Road Circle)

Sample ID : Cement Concrete (Wall)

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{20}

Compressive Strength as on : 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	16.03.2022	23.03.2022	8.012	348.9	15.51
2	16.03.2022	23.03.2022	8.167	356.1	15.83
3	16.03.2022	23.03.2022	8.092	368.7	16.39

Note:

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/NMK/16/2022-2023

Date: 13.04.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Assistant Executive Engineer,** Yeshwantpura Sub Division, BBMP, Bangalore.

Agency : **Sri. N M Krishnamurthy,** Contractor, Bangalore.

Name of the work :Improvements of Siddhartha Nagara Slum in Ward No-16 in RR Nagar Constituency, BBMP, Bangalore

Location : Siddhartha Nagara Slum (# From Maramma Temple to Main Road Circle)

Sample ID : Cement Concrete (Wall)

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{20}

Compressive Strength as on : 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	16.03.2022	13.04.2022	8.016	501.2	22.28
2	16.03.2022	13.04.2022	8.087	522.3	23.21
3	16.03.2022	13.04.2022	8.011	536.9	23.86

Note:

1. The material is satisfied as per the requirements.

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/NMK/16/2022-2023

Date: 23.03.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	**: Assistant Executive Engineer,** Yeshwantpura Sub Division, BBMP, Bangalore.
Agency	**: Sri. N M Krishnamurthy,** Contractor, Bangalore.
Name of the work	:Improvements of Siddhartha Nagara Slum in Ward No-16 in RR Nagar Constituency, BBMP, Bangalore
Location	: Siddhartha Nagara Slum (# From Maramma Temple to Main Road Circle)
Sample ID	: Cement Concrete (Wall)
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{20}
Compressive Strength as on	: 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	16.03.2022	23.03.2022	8.174	347.9	15.46
2	16.03.2022	23.03.2022	8.029	351.2	15.61
3	16.03.2022	23.03.2022	8.021	366.3	16.28

Note:
1. The material is satisfied as per the requirements.

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/NMK/16/2022-2023

Date: 13.04.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Assistant Executive Engineer,** Yeshwantpura Sub Division, BBMP, Bangalore.

Agency : **Sri. N M Krishnamurthy,** Contractor, Bangalore.

Name of the work :Improvements of Siddhartha Nagara Slum in Ward No-16 in RR Nagar Constituency, BBMP, Bangalore

Location : Siddhartha Nagara Slum (# From Maramma Temple to Main Road Circle)

Sample ID : Cement Concrete (Wall)

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{30}

Compressive Strength as on : 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	16.03.2022	13.04.2022	8.026	495.6	22.03
2	16.03.2022	13.04.2022	8.154	500.1	22.23
3	16.03.2022	13.04.2022	8.178	525.6	23.36

Note:

1. The material is satisfied as per the requirements.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

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Contact: 8553518550, 080-23240644 Email: civilqualityconsultants@gmail.com

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Laboratory as per ISO/IEC - 17025-2017

Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/NMK/16/2022-2023

Date: 23.03.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Assistant Executive Engineer,** Yeshwantpura Sub Division, BBMP, Bangalore.

Agency : **Sri. N M Krishnamurthy,** Contractor, Bangalore.

Name of the work :Improvements of Siddhartha Nagara Slum in Ward No-16 in RR Nagar Constituency, BBMP, Bangalore

Location : Siddhartha Nagara Slum (# From Maramma Temple to Main Road Circle)

Sample ID : Cement Concrete (Wall)

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{20}

Compressive Strength as on : 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	16.03.2022	23.03.2022	8.115	348.9	15.51
2	16.03.2022	23.03.2022	8.062	352.3	15.66
3	16.03.2022	23.03.2022	8.187	368.9	16.40

Note:

1. The material is satisfied as per the requirements.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/NMK/16/2022-2023 Date: 13.04.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	**: Assistant Executive Engineer,** Yeshwantpura Sub Division, BBMP, Bangalore.
Agency	**: Sri. N M Krishnamurthy,** Contractor, Bangalore.
Name of the work	:Improvements of Siddhartha Nagara Slum in Ward No-16 in RR Nagar Constituency, BBMP, Bangalore
Location	: Siddhartha Nagara Slum (# From Maramma Temple to Main Road Circle)
Sample ID	: Cement Concrete (Wall)
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{20}
Compressive Strength as on	: 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	16.03.2022	13.04.2022	8.197	514.2	22.85
2	16.03.2022	13.04.2022	8.006	526.9	23.42
3	16.03.2022	13.04.2022	8.015	535.4	23.80

Note:

1. The material is satisfied as per the requirements.

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/NMK/16/2022-2023

Date: 21.03.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	**: Assistant Executive Engineer,** Yeshwantpura Sub Division, BBMP, Bangalore.
Agency	**: Sri. N M Krishnamurthy,** Contractor, Bangalore.
Name of the work	:Improvements of Siddhartha Nagara Slum in Ward No-16 in RR Nagar Constituency, BBMP, Bangalore
Location	: Jalahalli Village (2nd Main Road (Bahubali Nagara) LHS (W0169))
Sample ID	: Cement Concrete (Raft)
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{20}
Compressive Strength as on	: 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	14.03.2022	21.03.2022	8.065	342.1	15.20
2	14.03.2022	21.03.2022	8.001	359.6	15.98
3	14.03.2022	21.03.2022	8.012	362.1	16.09

Note:

1. The material is satisfied as per the requirements.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/NMK/16/2022-2023

Date: 11.04.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Assistant Executive Engineer,** Yeshwantpura Sub Division, BBMP, Bangalore.

Agency : **Sri. N M Krishnamurthy,** Contractor, Bangalore.

Name of the work :Improvements of Siddhartha Nagara Slum in Ward No-16 in RR Nagar Constituency, BBMP, Bangalore

Location : Jalahalli Village (2nd Main Road (Bahubali Nagara) LHS (W0169))

Sample ID : Cement Concrete (Raft)

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{20}

Compressive Strength as on : 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	14.03.2022	11.04.2022	8.167	517.8	23.01
2	14.03.2022	11.04.2022	8.021	522.3	23.21
3	14.03.2022	11.04.2022	8.188	539.6	23.98

Note:

1. The material is satisfied as per the requirements.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/NMK/16/2022-2023

Date: 21.03.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Assistant Executive Engineer,** Yeshwantpura Sub Division, BBMP, Bangalore.

Agency : **Sri. N M Krishnamurthy,** Contractor, Bangalore.

Name of the work :Improvements of Siddhartha Nagara Slum in Ward No-16 in RR Nagar Constituency, BBMP, Bangalore

Location : Jalahalli Village (2nd Main Road (Bahubali Nagara) LHS (W0169))

Sample ID : Cement Concrete (Raft)

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{20}

Compressive Strength as on : 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	14.03.2022	21.03.2022	8.163	346.0	15.38
2	14.03.2022	21.03.2022	8.174	352.1	15.65
3	14.03.2022	21.03.2022	8.002	368.9	16.40

Note:
1. The material is satisfied as per the requirements.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/NMK/16/2022-2023 Date: 11.04.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	**: Assistant Executive Engineer,** Yeshwantpura Sub Division, BBMP, Bangalore.
Agency	**: Sri. N M Krishnamurthy,** Contractor, Bangalore.
Name of the work	:Improvements of Siddhartha Nagara Slum in Ward No-16 in RR Nagar Constituency, BBMP, Bangalore
Location	: Jalahalli Village (2nd Main Road (Bahubali Nagara) LHS (W0169))
Sample ID	: Cement Concrete (Raft)
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{20}
Compressive Strength as on	: 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	14.03.2022	11.04.2022	8.149	517.8	23.01
2	14.03.2022	11.04.2022	8.062	525.6	23.36
3	14.03.2022	11.04.2022	8.147	539.5	23.98

Note:
1. The material is satisfied as per the requirements.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

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Job No.: CQCE/BBMP/NMK/16/2022-2023

Date: 21.03.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Assistant Executive Engineer,** Yeshwantpura Sub Division, BBMP, Bangalore.

Agency : **Sri. N M Krishnamurthy,** Contractor, Bangalore.

Name of the work :Improvements of Siddhartha Nagara Slum in Ward No-16 in RR Nagar Constituency, BBMP, Bangalore

Location : Jalahalli Village (2nd Main Road (Bahubali Nagara) LHS (W0169))

Sample ID : Cement Concrete (Raft)

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{20}

Compressive Strength as on : 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	14.03.2022	21.03.2022	8.125	329.6	14.65
2	14.03.2022	21.03.2022	8.021	334.8	14.88
3	14.03.2022	21.03.2022	8.009	340.6	15.14

Note:

1. The material is satisfied as per the requirements.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

Corporate Off.: No. 133, Bhuvaneshwarinagar, Doddabasti Main Road, Bangalore-560
Contact: 8553518550, 080-23240644 Email: civilqualityconsultants@gmail.com

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CIVIL QUALITY CONSULTANTS & ENGINEERS
ISO 9001:2015 Certified & NABL Accredited Laboratory as per ISO/IEC - 17025-2017

Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/NMK/16/2022-2023

Date: 11.04.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Assistant Executive Engineer,** Yeshwantpura Sub Division, BBMP, Bangalore.

Agency : **Sri. N M Krishnamurthy,** Contractor, Bangalore.

Name of the work :Improvements of Siddhartha Nagara Slum in Ward No-16 in RR Nagar Constituency, BBMP, Bangalore

Location : Jalahalli Village (2nd Main Road (Bahubali Nagara) LHS (W0169))

Sample ID : Cement Concrete (Raft)

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{20}

Compressive Strength as on : 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	14.03.2022	11.04.2022	8.148	503.2	22.36
2	14.03.2022	11.04.2022	8.005	512.4	22.77
3	14.03.2022	11.04.2022	8.192	526.9	23.42

Note:

1. The material is satisfied as per the requirements.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR

Job No.: CQCE/BBMP/NMK/16/2022-2023

Date: 25.03.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Assistant Executive Engineer,** Yeshwantpura Sub Division, BBMP, Bangalore.

Agency : **Sri. N M Krishnamurthy,** Contractor, Bangalore.

Name of the work :Improvements of Siddhartha Nagara Slum in Ward No-16 in RR Nagar Constituency, BBMP, Bangalore

Location : Jalahalli Village (2nd Main Road (Bahubali Nagara) LHS (W0169))

Sample ID : Cement Concrete (Wall)

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{20}

Compressive Strength as on : 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	18.03.2022	25.03.2022	8.092	336.9	14.97
2	18.03.2022	25.03.2022	8.004	348.2	15.48
3	18.03.2022	25.03.2022	8.121	356.1	15.83

Note:

1. The material is satisfied as per the requirements.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

Corporate Off.: No. 133, Bhuvaneshwarinagar, Doddabasti Main Road, Bangalore-560 056.
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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR

Job No.: CQCE/BBMP/NMK/16/2022-2023

Date: 15.04.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Assistant Executive Engineer,** Yeshwantpura Sub Division, BBMP, Bangalore.

Agency : **Sri. N M Krishnamurthy,** Contractor, Bangalore.

Name of the work :Improvements of Siddhartha Nagara Slum in Ward No-16 in RR Nagar Constituency, BBMP, Bangalore

Location : Jalahalli Village (2nd Main Road (Bahubali Nagara) LHS (W0169))

Sample ID : Cement Concrete (Wall)

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{20}

Compressive Strength as on : 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	18.03.2022	15.04.2022	8.155	510.0	22.67
2	18.03.2022	15.04.2022	8.062	520.1	23.12
3	18.03.2022	15.04.2022	8.199	530.6	23.58

Note:

1. The material is satisfied as per the requirements.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/NMK/16/2022-2023 Date: 25.03.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	**: Assistant Executive Engineer,** Yeshwantpura Sub Division, BBMP, Bangalore.
Agency	**: Sri. N M Krishnamurthy,** Contractor, Bangalore.
Name of the work	:Improvements of Siddhartha Nagara Slum in Ward No-16 in RR Nagar Constituency, BBMP, Bangalore
Location	: Jalahalli Village (2nd Main Road (Bahubali Nagara) LHS (W0169))
Sample ID	: Cement Concrete (Wall)
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{20}
Compressive Strength as on	: 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	18.03.2022	25.03.2022	8.021	348.2	15.48
2	18.03.2022	25.03.2022	8.035	354.9	15.77
3	18.03.2022	25.03.2022	8.119	363.2	16.14

Note:
1. The material is satisfied as per the requirements.

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/NMK/16/2022-2023

Date: 15.04.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Assistant Executive Engineer,** Yeshwantpura Sub Division, BBMP, Bangalore.

Agency : **Sri. N M Krishnamurthy,** Contractor, Bangalore.

Name of the work :Improvements of Siddhartha Nagara Slum in Ward No-16 in RR Nagar Constituency, BBMP, Bangalore

Location : Jalahalli Village (2nd Main Road (Bahubali Nagara) LHS (W0169))

Sample ID : Cement Concrete (Wall)

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{20}

Compressive Strength as on : 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	18.03.2022	15.04.2022	8.145	496.5	22.07
2	18.03.2022	15.04.2022	8.065	500.4	22.24
3	18.03.2022	15.04.2022	8.022	512.3	22.77

Note:

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/NMK/16/2022-2023

Date: 25.03.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Assistant Executive Engineer,** Yeshwantpura Sub Division, BBMP, Bangalore.

Agency : **Sri. N M Krishnamurthy,** Contractor, Bangalore.

Name of the work :Improvements of Siddhartha Nagara Slum in Ward No-16 in RR Nagar Constituency, BBMP, Bangalore

Location : Jalahalli Village (2nd Main Road (Bahubali Nagara) LHS (W0169))

Sample ID : Cement Concrete (Wall)

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{20}

Compressive Strength as on : 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	18.03.2022	25.03.2022	8.021	337.5	15.00
2	18.03.2022	25.03.2022	8.092	349.6	15.54
3	18.03.2022	25.03.2022	8.004	352.1	15.65

Note:

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/NMK/16/2022-2023

Date: 15.04.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Assistant Executive Engineer,** Yeshwantpura Sub Division, BBMP, Bangalore.

Agency : **Sri. N M Krishnamurthy,** Contractor, Bangalore.

Name of the work :Improvements of Siddhartha Nagara Slum in Ward No-16 in RR Nagar Constituency, BBMP, Bangalore

Location : Jalahalli Village (2nd Main Road (Bahubali Nagara) LHS (W0169))

Sample ID : Cement Concrete (Wall)

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{20}

Compressive Strength as on : 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	18.03.2022	15.04.2022	8.147	508.9	22.62
2	18.03.2022	15.04.2022	8.092	522.3	23.21
3	18.03.2022	15.04.2022	8.003	535.4	23.80

Note:

1. The material is satisfied as per the requirements.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

15/4/22

Job No.: CQCE/BBMP/NMK/16/2022-2023

Date: 25.03.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	**: Assistant Executive Engineer,** Yeshwantpura Sub Division, BBMP, Bangalore.
Agency	**: Sri. N M Krishnamurthy,** Contractor, Bangalore.
Name of the work	:Improvements of Siddhartha Nagara Slum in Ward No-16 in RR Nagar Constituency, BBMP, Bangalore
Location	: Jalahalli Village (2nd Main Road (Bahubali Nagara) LHS (W0169))
Sample ID	: Cement Concrete (Wall)
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{20}
Compressive Strength as on	: 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	18.03.2022	25.03.2022	8.009	341.0	15.16
2	18.03.2022	25.03.2022	8.021	351.0	15.60
3	18.03.2022	25.03.2022	8.054	361.0	16.04

Note:

1. The material is satisfied as per the requirements.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/NMK/16/2022-2023

Date: 15.04.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	**: Assistant Executive Engineer,** Yeshwantpura Sub Division, BBMP, Bangalore.
Agency	**: Sri. N M Krishnamurthy,** Contractor, Bangalore.
Name of the work	:Improvements of Siddhartha Nagara Slum in Ward No-16 in RR Nagar Constituency, BBMP, Bangalore
Location	: Jalahalli Village (2nd Main Road (Bahubali Nagara) LHS (W0169))
Sample ID	: Cement Concrete (Wall)
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{20}
Compressive Strength as on	: 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	18.03.2022	15.04.2022	8.132	508.6	22.60
2	18.03.2022	15.04.2022	8.169	521.2	23.16
3	18.03.2022	15.04.2022	8.047	535.4	23.80

Note:

1. The material is satisfied as per the requirements.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

Corporate Off.: No. 133, Bhuvaneshwarinagar, Doddabasti Main Road, Bangalore-56
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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR

Job No.: CQCE/BBMP/NMK/16/2022-2023

27.04.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Assistant Executive Engineer,** Yeshwantpura Sub Division, BBMP, Bangalore.

Agency : **Sri. N M Krishnamurthy,** Contractor, Bangalore.

Name of the work :Improvements of Siddhartha Nagara Slum in Ward No-16 in RR Nagar Constituency, BBMP, Bangalore

Location : Siddartha Nagara Slum (Anaganawadi Kendra Opposite)

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{30}

Compressive Strength as on : 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	20.04.2022	27.04.2022	8.165	496.2	22.05
2	20.04.2022	27.04.2022	8.024	512.3	22.77
3	20.04.2022	27.04.2022	8.139	507.6	22.56

Note:

1. The material is satisfied as per the requirements.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR

Job No.: CQCE/BBMP/NMK/16/2022-2023

18.05.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	: **Assistant Executive Engineer,** Yeshwantpura Sub Division, BBMP, Bangalore.
Agency	: **Sri. N M Krishnamurthy,** Contractor, Bangalore.
Name of the work	:Improvements of Siddhartha Nagara Slum in Ward No-16 in RR Nagar Constituency, BBMP, Bangalore
Location	: Siddartha Nagara Slum (Anaganawadi Kendra Opposite)
Sample ID	: Cement Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{30}

Compressive Strength as on : 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	20.04.2022	18.05.2022	8.112	736.4	32.73
2	20.04.2022	18.05.2022	8.026	702.5	31.22
3	20.04.2022	18.05.2022	8.141	721.4	32.06

Note:

1. The material is satisfied as per the requirements.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/NMK/16/2022-2023

18.05.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Assistant Executive Engineer,** Yeshwantpura Sub Division, BBMP, Bangalore.

Agency : **Sri. N M Krishnamurthy,** Contractor, Bangalore.

Name of the work :Improvements of Siddhartha Nagara Slum in Ward No-16 in RR Nagar Constituency, BBMP, Bangalore

Location : Siddartha Nagara Slum (Anaganawadi Kendra Opposite)

sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{30}

Compressive Strength as on : 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	20.04.2022	18.05.2022	8.115	726.3	32.28
2	20.04.2022	18.05.2022	8.062	731.5	32.51
3	20.04.2022	18.05.2022	8.141	741.8	32.97

Note:

1. The material is satisfied as per the requirements.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR

Job No.: CQCE/BBMP/NMK/16/2022-2023

27.04.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Assistant Executive Engineer,** Yeshwantpura Sub Division, BBMP, Bangalore.

Agency : **Sri. N M Krishnamurthy,** Contractor, Bangalore.

Name of the work :Improvements of Siddhartha Nagara Slum in Ward No-16 in RR Nagar Constituency, BBMP, Bangalore

Location : Siddartha Nagara Slum (Anaganawadi Kendra Opposite)

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{30}

Compressive Strength as on : 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	20.04.2022	27.04.2022	8.154	526.3	23.39
2	20.04.2022	27.04.2022	8.006	534.1	23.74
3	20.04.2022	27.04.2022	8.121	507.9	22.57

Note:

1. The material is satisfied as per the requirements.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/NMK/16/2022-2023

18.05.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Assistant Executive Engineer,** Yeshwantpura Sub Division, BBMP, Bangalore.

Agency : **Sri. N M Krishnamurthy,** Contractor, Bangalore.

Name of the work :Improvements of Siddhartha Nagara Slum in Ward No-16 in RR Nagar Constituency, BBMP, Bangalore

Location : Siddartha Nagara Slum (Anaganawadi Kendra Opposite)

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{30}

Compressive Strength as on : 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	20.04.2022	18.05.2022	8.162	712.3	31.66
2	20.04.2022	18.05.2022	8.115	721.8	32.08
3	20.04.2022	18.05.2022	8.141	731.4	32.51

Note:

1. The material is satisfied as per the requirements.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

Corporate Off.: No. 133, Bhuvaneshwarinagar, Doddabasti Main Road, Bangalore-560 056.
Contact: 8553518550, 080-23240644 Email: civilqualityconsultants@gmail.com

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CIVIL QUALITY CONSULTANTS & ENGINEERS

ISO 9001:2015 Certified & NABL Accredited Laboratory as per ISO/IEC - 17025-2017

Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/NMK/16/2022-2023

27.04.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Assistant Executive Engineer,** Yeshwantpura Sub Division, BBMP, Bangalore.

Agency : **Sri. N M Krishnamurthy,** Contractor, Bangalore.

Name of the work :Improvements of Siddhartha Nagara Slum in Ward No-16 in RR Nagar Constituency, BBMP, Bangalore

Location : Siddartha Nagara Slum (Anaganawadi Kendra Opposite)

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{30}

Compressive Strength as on : 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	20.04.2022	27.04.2022	8.127	523.6	23.27
2	20.04.2022	27.04.2022	8.051	514.3	22.86
3	20.04.2022	27.04.2022	8.141	508.9	22.62

Note:

1. The material is satisfied as per the requirements.

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Job No.: CQCE/BBMP/NMK/16/2022-2023

18.05.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

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Agency : **Sri. N M Krishnamurthy,** Contractor, Bangalore.

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Location : Siddartha Nagara Slum (Anaganawadi Kendra Opposite)

Sample ID : Cement Concrete

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Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{30}

Compressive Strength as on : 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	20.04.2022	18.05.2022	8.025	726.3	32.28
2	20.04.2022	18.05.2022	8.162	735.6	32.69
3	20.04.2022	18.05.2022	8.141	707.9	31.46

Note:

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Job No.: CQCE/BBMP/NMK/16/2022-2023

15/4/22

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

27.04.2022

Client : **Assistant Executive Engineer,** Yeshwantpura Sub Division, BBMP, Bangalore.

Agency : **Sri. N M Krishnamurthy,** Contractor, Bangalore.

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Location : Siddartha Nagara Slum (Anaganawadi Kendra Opposite)

Sample ID : Cement Concrete

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Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{30}

Compressive Strength as on : 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	20.04.2022	27.04.2022	8.152	526.3	23.39
2	20.04.2022	27.04.2022	8.164	514.8	22.88
3	20.04.2022	27.04.2022	8.087	507.9	22.57

Note:

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Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{30}

Compressive Strength as on : 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	20.04.2022	18.05.2022	8.104	722.9	32.13
2	20.04.2022	18.05.2022	8.052	731.4	32.51
3	20.04.2022	18.05.2022	8.124	719.8	31.99

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28.04.2022

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Client : **Assistant Executive Engineer,** Yeshwantpura Sub Division, BBMP, Bangalore.

Agency : **Sri. N M Krishnamurthy,** Contractor, Bangalore.

Name of the work :Improvements of Siddhartha Nagara Slum in Ward No-16 in RR Nagar Constituency, BBMP, Bangalore

Location : Siddartha Nagara Slum (#Faisal Store Road)

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{30}

Compressive Strength as on : 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	21.04.2022	28.04.2022	8.126	521.3	23.17
2	21.04.2022	28.04.2022	8.065	504.3	22.41
3	21.04.2022	28.04.2022	8.152	536.4	23.84

Note:

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Grade of Concrete : M_{30}

Compressive Strength as on : 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	21.04.2022	19.05.2022	8.126	721.6	32.07
2	21.04.2022	19.05.2022	8.148	731.2	32.50
3	21.04.2022	19.05.2022	8.105	716.8	31.86

Note:

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